

Abstract of the Disclosure

A method and apparatus are provided for drilling for petroleum. The method and apparatus circulate drilling mud through a particle separation apparatus that rapidly removes clay and other chemical additives. The drilling method and apparatus of the invention drastically reduces the amount of water required to drill a petroleum well, processes drilling mud at the well site, and produces water that can be broadcast on ground adjacent the well site, that can be introduced into deep water injection wells, or that can be given to livestock.

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